

AMENDMENTS TO THE CLAIMS

1. (Currently Amended) A system for purifying fluid, said system comprising:
a filtration canister for filtering particulates from the fluid; ~~and~~
a separate evaporation canister for removing liquid contaminants by evaporation;
and-

wherein the filtration canister further comprises:

a cylindrical container;

a filter element for removing the particulates from the fluid;

the filtration canister adapted for receiving one of a plurality of sizes of
the filter element and for receiving fluid via a pipe connection;

a head for sealing an upper portion of the container;

a threaded stud for securing the head and the container;

a centering spring for securing the filter element around the threaded stud;

and

means for securing and sealing the head and the filter element therein
without allowing fluid to bypass the filter element.

2. (Currently Amended) The system of claim 1, wherein said filter element is
adapted for filtering fluid~~comprises oil~~.

3. (Currently Amended) The system of claim 1, wherein said filter element is
adapted for filtering fluid~~comprises hydraulic fluid~~.

4. (Canceled).

5. (Currently Amended) The system of claim 4_1, wherein the head of the filtration
canister comprises:

a compression ring for pressing against a portion of the filter element;

a first orifice for receiving oil from an engine;

a second orifice for receiving filtered oil; and

a gasket for sealing the head against the filtration canister.

6. (Currently Amended) The system of claim 4_1, wherein said filtration canister further comprises:

~~a threaded stud for securing the filtration canister and the head; and~~

a sampling valve for sampling fluid from the filtration canister;

wherein the sampling valve is adapted for sampling fluid during fluid flow into the filtration canister.

7. (Currently Amended) The system of claim 1 further comprising a shut-off valve for preventing flow of fluid into the filtration canister by causing the fluid to bypass the filtration canister.

8. (Currently Amended) The system of claim 1, wherein the evaporation canister comprises:

a container for receiving fluid and housing an evaporator;

a head of the evaporation canister for sealing an upper portion of the evaporation canister;

an evaporator cup for receiving filtered fluid from the filtration canister, the evaporation cup including a substantially large flat lower surface for increasing the surface area of the fluid; and

a heating wand for heating the fluid to release liquid contaminants; and;

wherein the fluid flows underneath the heating wand and spreads to increase the surface area of the fluid, thereby facilitating evaporation of the liquid contaminants.

9. (Currently Amended) The system of claim 8, wherein the evaporator cup is manufactured ~~as a cup~~ with exterior ridges for impeding the flow of the fluid.

10. (Original) The system of claim 1, wherein the evaporation canister comprises:

a visual indicator for alerting a user as to whether electrical power is supplied to the heating wand; and

a conduit for receiving and removing vaporized liquid contaminants from the evaporation canister.

11. (Currently Amended) The system of claim 1 further comprising a metering valve located between the filtration canister and the evaporation canister for selective positioning to control fluid flow.

12-25. (Withdrawn)

26. (New) The system of claim 8, wherein the container is formed of Aluminum Kone Drawing Quality cold rolled steel and plated with Commercial Bright Nickel Plating, and wherein the head of the evaporation canister is formed of 319 Cast Aluminum Alloy.

27. (New) The system of claim 8, wherein the head of the evaporation canister comprises an orifice for receiving wires that supply electrical power to the heating wand.

28. (New) The system of claim 1, wherein the cylindrical container of the filtration canister is formed of Aluminum Kone Drawing Quality cold rolled steel and plated with Commercial Bright Nickel Plating, and wherein the head of the filtration canister is formed of 319 Cast Aluminum Alloy.

29. (New) The system of claim 5, wherein the gasket is formed of stainless steel and a fluid impervious washer is formed of nitrile material.

30. (New) The system of claim 1, wherein the head of the evaporation canister includes an outer raised edge that is oriented to be placed inside the container and prevents liquid from leaking out of the filtration canister.

31. (New) A system for purifying fluid, said system comprising:

a filtration canister for filtering particulates from the fluid;

a separate evaporation canister for removing liquid contaminants by evaporation;

wherein the evaporation canister further comprises:

a container for receiving fluid and housing an evaporator;

an evaporator cup for receiving filtered fluid from the filtration canister,

the evaporation cup including an interior portion and an exterior portion;

a heating wand for heating the fluid to release liquid contaminants;

wherein the interior portion of the evaporation cup fills with the heated fluid to a point at which the heated fluid spills over to the exterior portion of the evaporation cup;

wherein the fluid flows underneath the heating wand and spreads to increase the surface area of the heated fluid, thereby facilitating evaporation of the liquid contaminants; and

wherein the purified fluid collects at a lower portion of the evaporation canister.